Appln. No. 09/646,349 Amd. dated April 29, 2004 Reply to Office Action of April 20, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:
Listing of Claims:

1-3: (cancelled).

4 (previously presented): A method of producing a material for an aperture grille for use in a color picture tube, comprising

providing a low carbon steel sheet consisting of Fe, C, wherein said C is present in an amount no greater than 0.01 wt%, up to 0.5 wt% Mn, up to 0.3 wt% Si, up to 0.01 wt% S and N, 9 to 30 wt% of Ni and 0.1 to 5 wt% of Co;

cold-rolling the low carbon steel sheet at a reduction rate of not less than 60%; and

annealing the low carbon steel sheet at a temperature of 400 to 500°C.

5 (previously presented): A method of producing a material for an aperture grille for use in a color picture tube, comprising

providing a low carbon steel sheet containing 9 to 30 wt% of Ni and being substantially free of tin;

annealing the low carbon steel sheet at a temperature of 500 to 800°C;

Appln. No. 09/646,349 Amd. dated April 29, 2004 Reply to Office Action of April 20, 2004

subjecting the low carbon steel sheet to coldrolling at a reduction rate not less than 60%; and
annealing the low carbon steel sheet at a
temperature of 400 to 500°C.

6 (previously presented): A method of producing a material for an aperture grille for use in a color picture tube, comprising providing a low carbon steel sheet containing 9 to 30 wt% of Ni and 0.1 to 5 wt% of Co, and being substantially free of tin;

annealing the low carbon steel sheet at a temperature of 500 to 800°C;

cold-rolling the low carbon steel sheet at a reduction rate of not less than 60%; and

annealing the low carbon steel sheet at a temperature of 400 to 500°C.

- 7 (Previously presented): An aperture grille for use in a color picture tube, which is made of a low carbon steel sheet containing 9 to 30 wt% of Ni produced by the method of according to claim 5.
- 8 (Previously presented): An aperture grille for use in a color picture tube, which is made of a low carbon steel sheet containing 9 to 30 wt% of Ni and 0.1 to 5 wt% of Co produced by the method according to claim 6.

Appln. No. 09/646,349 Amd. dated April 29, 2004 Reply to Office Action of April 20, 2004

9 (canceled).

10 (Previously presented): A color picture tube incorporating an aperture grille for use in a color cathode ray tube, which aperture grille is made of a low carbon steel sheet containing 9 to 30 wt% of Ni and 0.1 to 5 wt% of Co produced according to the method of claim 4.

- 4 -